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Date August 7, 2001

To Mary K. Zeman  
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Commissioner for Patents  
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Facsimile number 12071-01100002 / 703-746-5279

From Lee Crews, Ph.D.

Re IMMUNE RESPONSES USING COMPOSITIONS CONTAINING STRESS  
PROTEINS

Applicant: Lee A. Mizzen *et al.*

Application No.: 08/977,787

Filing Date: November 25, 1997

Country: United States

Our Ref.: 12071-011002

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Message

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Attorney's Docket No.: 12071-011002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lee Mizzen *et al.*  
Serial No. : 08/977,787  
Filed : November 25, 1997  
Title : IMMUNE RESPONSES USING COMPOSITIONS CONTAINING STRESS  
PROTEINS

Art Unit : 1631  
Examiner : Mary K. Zeman

**BOX AF**

Commissioner for Patents  
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT

In response to the Office Action mailed July 10, 2000, and pursuant to Applicants' Notice of Appeal (filed January 10, 2001), please amend the application as follows and consider the remarks below. According to the Advisory Action mailed July 17, 2001, the amendment filed June 11, 2001, was not entered.

In the claims:

Cancel claims 55, 56, and 60.

Amend claims 54, 57-59, and 61-67 as follows.

*hubs*  
*1.1.1*  
*F1*  
<sup>53</sup>  
-- 54. (Amended) A fusion protein comprising an antigen of an influenza virus, or an antigenic portion thereof, and a stress protein, or a portion thereof, wherein the fusion protein induces an immune response against the antigen in a mammal to whom the fusion protein is administered.

*F2*  
<sup>56</sup>  
<sup>53</sup>  
-- 57. (Amended) The fusion protein of claim 54, wherein the antigen of the influenza virus is hemagglutinin, nucleoprotein, neuraminidase, M1, M2, PB1, PB2, or PA.

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